Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10555-034001		Application No. 10/061,960
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Marco Falcioni, et al.		
		Filing Date February 1, 2002		Group Art Unit 1741 1631

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U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
LAC	AA	5,614,608	3/25/97	Krchnak et al.	530	334	
	AB	5,759,779	6/2/98	Dehlinger	435	436	
	AC	5,763,263	6/9/98	Dehlinger	435	287	
	AD	5,856,101	1/5/99	Hubbell et al.	435	6	
	AE	5,974,164	10/26/99	Chee	382	129	
	AF	6,044,212	Mar. 28, 2000	Flavin et al.			
LAC	AG	6,175,816	Jan. 16, 2001	Flavin et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
LAC	AH	EP 0 796 654 A2	9/24/1997	EPO				
LAC	AI	WO 98/15825	4/16/98	PCT				
LAC	AJ	WO 99/59722	11/25/99	PCT	B01L 3/00			

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AK	~~Advanced Chem. Tech. "Model 496 MOS Multiple Organic Synthesizer", product information, 6 pgs.~~
LAC	AL	Advanced Chem. Tech. "Model 348 MPS Multiple Peptide Synthesizer", product information, 4 pgs, 1997.
	AM	~~Advanced Chem. Tech. "The ACT Model 90 Tabletop Peptide synthesizer", product information, 1 pg.~~
	AN	~~Afferent Systems, Inc. "Afferent Products" www.afferent.com/products/html, product information, 2 pgs.~~
	AO	~~Afferent Systems, Inc. "Afferent Defines Libraries In Terms of Precursors and Reactions", product information, 3 pgs. www.afferent.com/libraries.html~~
	AP	~~Afferent Systems, Inc. "Afferent Uses Virtual Chemistry to Generate Combinatorial Products", 6 pgs., www.afferent.com/generation.html~~
	AQ	~~Afferent Systems, Inc. "The Generic Structure Approach", 3 pgs. www.afferent.com/genric-structure.html~~
	AR	~~Afferent Systems, Inc. "Talk Chemistry, Not Robot Language, To Your Synthesis System", 8 pgs. www.afferent.com/control.html~~

Examiner Signature	Date Considered
Loc A. Claw	8/6/06

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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		Filing Date February 1, 2002	Group Art Unit 1741 /631

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Other Documents (Include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
LAC	AS	Afferent Systems, Inc., "Afferent Analytical ™", pages 1 of 1, http://www.afferent.com/analytical.html, Copyright© 1996-1999, Last updated 1/28/1999
LA	AT	Afferent Systems, Inc., "What's new?, IRORI and Afferent enter into Combinatorial Chemistry Collaboration Agreement," pages 1 of 2, http://www.afferent.com/news.html, Copyright© 1996-1999, Last updated 7/3/1999
	AU	Asymtek "M-MCM"
	AV	Asymtek "M-ENCAP", product information, 1 pg.
	AW	Asymtek "M-FCOB", product information, 2 pgs.
	AX	Automated Organic Synthesis - No Compromises, 2 pgs.
	AY	Biomek 2000 Laboratory Automation Workstation, product information, 2 pgs.
	AZ	Bohdan Automation "Solid Phase Extraction Workstation by vacuum"
	AAA	Carl Creative Systems "Plate Trak Automated Liquid Handling System", product information, 1 pg.
LAC	ABB	Cargill et al., "Automated Combinatorial Chemistry on Solid Phase", L.R.A., 1996, vol. 8, 139-148.
LAC	ACC	Cawse, "Experimental Strategies for Combinatorial and High-Throughput Materials Development", Accounts of Chemical Research, 2001, vol. 34, no. 3, pp. 213-221
	ADD	Chemical Computing Group Inc. "MOE: The Molecular Operating Environment", product information, 4 pgs., www.chemcomp.com/fdept/prodinfo.htm
LA	AEE	Corkan et al., "Application of an Automated Chemistry Workstation to Problems in Synthetic Chemistry", Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1992, vol. 17, pp. 95-105.
	AFF	Corkan et al., "Design Concepts for Synthetic Chemistry Workstations", Advances in Laboratory Automation Robotics, 1990, vol. 6, pp. 447-497.
	AGG	Corkan et al., "Experiment Manager Software for an Automated Chemistry Workstation, Including a Scheduler for Parallel Experimentation", Chemometrics and Intelligent Laboratory Systems; Lab. Info. Mgmt., 1992, vol. 17, pp. 47-47.
LAC	AHH	Deem, "A Statistical Mechanical Approach to Combinatorial Chemistry", Advances in Chemical Engineering 28, Academic Press, 2001, pp. 81-121
	AII B	Digitale Mehrkanal-Pipette CALIBRA 852 and DIGISCAN, product information, 1 pg.
	AJJ	EG&G Wallae MicroBeta "TriLux Scintillation and Luminescence Counter"
LAC	AKK	Falcioni, et al., "Library Design in Combinatorial Chemistry by Monte Carlo Methods", Phys. Rev. E 61, 2000, pp. 5948-5952
LAC	ALL	Foder, et al., "Light-directed, spatially addressable parallel chemical synthesis", Science, (1991) Vol. 251, pp. 767-773
	AMM	Gilson "Better Solutions from Gilson mean...", product information, 1 pg.
LAC	ANN	Houghten, "Parallel array and mixture-based synthetic combinatorial chemistry: tools for the next millennium", Annu. Rev. Pharmacol. Toxicol. (2000) Vol. 40, pp. 273-82

Examiner Signature	Date Considered
	8/6/06

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		Filing Date February 1, 2002	Group Art Unit ~~1741~~ 1631

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
~~—~~	~~AOO~~	~~Hydra "Pooling Samples, Integrating the Hydra, Dispensing Precision",~~
~~—~~	~~APP~~	~~HyPrep "ThePrep Plus System", product information, 1 pg.~~
Uc	AQQ	Koinuma, et al., "Parallel fabrication of artificially designed superlattices by combinatorial laser MBE", Appl. Phys. A 69 Supp., (1999) S29-S31
~~—~~	~~ARR~~	~~Labute, Chemical Computing Group Inc. "MOE: Deployment Strategies", product information, 6 pgs., www.chemcomp.com/feature/deploy.htm~~
Uc	ASS	Lindsey, "Automated Workstations for Chemical Synthesis in Japan: A New Paradigm for Pharmaceutical Research", Am. Lab., 1993, pp. 17, 18. 20.
Uc	ATT	Lindsey, "A Retrospective on the Automation of Laboratory Synthetic Chemistry", Chemometrics and Intelligent Laboratory Systems: Lab. Inf. Mgmt., 1992, vol. 17, pp. 15-45.
Uc	AUU	Lindsey, et al., "Toward High-Performance Parallel Experimentation Machines: Use of a Scheduler as a Quantitative Computer-Aided Design Tool for Evaluating Workstation Performance", Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1993, vol. 21, pp. 139-150.
~~—~~	~~AVV~~	~~Packard "Packard... The complete solution", product information, 1 pg.~~
~~—~~	~~AWW~~	~~Packard "MultiPROBE Robotic Liquid Handling Systems" product information, 2 pgs.~~
~~—~~	~~AXX~~	~~Titertek "Quadflex", product information, 2 pgs.~~
Uc	AYY	Thayer, A. M., "Bioinformatics for the Masses", Business, 2000, vol. 78, no. 6, CENEAR 78, pp. 19-32
~~—~~	~~AZZ~~	~~The Technology Partnership, "Myriad Personal Synthesis: A New Approach to Synthesis", product information, 7 pgs.~~
Uc	AAAA	Yan, et al. "Determination of the absolute amount of resin-bound hydroxyl or carboxyl groups for the optimization of solid-phase combinatorial and parallel organic synthesis", Anal. Chem. (1999) vol. 71, pp. 4564-4571
~~—~~	~~ABBB~~	~~Zinsser Analytic "LISSY Pipetting with Windows", product information, 1 pg.~~

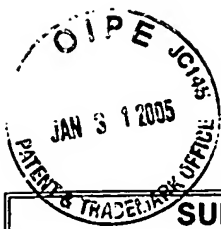**RECEIVED**

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Examiner Signature	Date Considered 8/6/06

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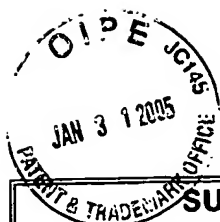
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION		ATTORNEY'S DOCKET NO.: 2002-004		APPLICATION NO.: 10/061,960		
PTO-1449		APPLICANT: Falcioni et al.				
		FILING DATE: February 1, 2002		GROUP: ~~1741~~ 1631	CONFIRMATION: 8759	

US PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
LAC	4,422,151	12/20/83	Gilson	364	496	6/1/81
	4,478,094	10/23/84	Salomaa et al.	73	863	5/5/83
	5,143,854	9/1/92	Pirrung et al.	436	518	3/7/90
	5,437,838	8/1/95	DeMoranville et al.	422	67	6/16/94
	5,463,564	10/31/95	Agrafiotis et al.	364	496	9/16/94
	5,571,639	11/5/96	Hubbell et al.	430	5	5/24/94
	5,574,656	11/12/96	Agrafiotis et al.	364	500	9/28/95
	5,614,608	3/25/97	Krchnak et al.	530	334	
	5,714,127	2/3/98	DeWitt et al.	422	131	6/7/95
	5,856,101	1/5/99	Hubbell et al.	435	6	9/27/96
	5,974,164	10/26/99	Chee	382	129	10/16/95
	6,004,617	12/21/99	Schultz et al.	427	8	6/7/95
	6,045,755	4/4/00	Lebl et al.	422	65	3/10/97
	6,063,339	5/16/00	Tisone et al.	422	67	9/3/98
	6,411,945	6/25/2002	Nakajima	706	19	
	6,507,945	1/14/03	Rust et al.	717	103	5/5/99
	6,618,852	9/9/03	Van Eikeren et al.	717	108	9/13/99
· LAC	6,658,429	12/02/03	Dorsett, Jr.	707	104	1/5/01

EXAMINER: *Lori A. Clow*	DATE CONSIDERED: 8/6/06

Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUPPLEMENTAL INFORMATION DISCLOSURE CITATION	ATTORNEY'S DOCKET NO.: 2002-004	APPLICATION NO.: 10/061,960
PTO-1449	APPLICANT: Falcioni et al.	
	FILING DATE: February 1, 2002	GROUP: 1741 1631 / CONFIRMATION: 8759

FOREIGN DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUB CLASS	TRANSLATION Yes	No
LHe	DE29720432	5/6/99	Germany	C12M	1/34	Yes	
	EP 0 796 654	9/24/97	EPO	B01J	19/00		No
	JP10-055348	2/24/98	Japan	G06F	15/18	Yes	
	WO 00/23921	4/27/00	PCT	G06F	17/50		No
	WO 01/79949	10/25/01	PCT	G05B	23/00		No
	WO 87/06008	10/8/87	PCT	G01N	35/00		No
	WO 96/11878	4/25/96	PCT	C01G	51/04		No
	WO 96/22157	7/25/96	PCT	B01J	8/02		No
	WO 97/31127	8/28/97	PCT	C12Q	1/68		No
	WO 98/07026	2/19/98	PCT	G01N	31/10		No
	WO 98/14641	4/9/98	PCT	C25D	5/02		No
	WO 98/15825	4/16/98	PCT	G01N	33/00		No
LHe	AU 199743796	3/6/98	Australia	G01N	31/10		No

EXAMINER: _Lori A. Clow_	DATE CONSIDERED: 8/6/66

Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
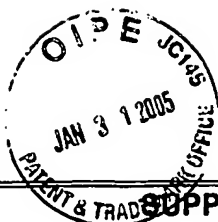
	SUPPLEMENTAL INFORMATION DISCLOSURE CITATION	ATTORNEY'S DOCKET NO.: 2002-004		APPLICATION NO.: 10/061,960
	PTO-1449	APPLICANT: Falcioni et al.		
		FILING DATE: February 1, 2002	GROUP: 1741 1631	CONFIRMATION: 8759

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages Etc.)

L+C	Advanced Chem. Tech. "Model 348 MPS Multiple Peptide Synthesizer," product information, 1997, 4 pgs.
	~~Advanced Chem. Tech. "Model 496 MOS Multiple Organic Synthesizer," product information, 6 pgs.~~
	~~Advanced Chem. Tech. "The ACT Model 90 Tabletop Peptide Synthesizer," product information, 2 pgs.~~
L+C	Afferent Systems, Inc. "Afferent Defines Libraries In Terms of Precursors and Reaction," product information, 1998, 3 pgs., www.afferent.com/libraries.html
	Afferent Systems, Inc. "Afferent Products," product information, 1998, 1 pg., www.afferent.com/products.html
	Afferent Systems, Inc., "Afferent Uses Virtual Chemistry to Generate Combinatorial Products," 1998, 6 pgs., www.afferent.com/generation.html
	Afferent Systems, Inc., "Talk Chemistry, Not Robot Language , To Your Synthesis System," 1998, 8 pgs., www.afferent.com/control.html
	Afferent Systems, Inc., "The Generic Structure Approach," 1998, 3 pgs., www.afferent.com/generic-structure.html
L+C	Afferent Systems, Inc., "What's New?, IRORI and Afferent enter into Combinatorial Chemistry Collaboration Agreement," pages 1 of 2, http://www.afferent.com/news.html, Copyright© 1996-1999, Last updated 7/3/1999
	~~Asymtek "M-ENCAP," product information, 1 pg.~~
	~~Asymtek "M-ECOB," product information 1 pg.~~
	~~Asymtek "M-MCM"~~
L+C	Baerns et al., "Chemische Reaktionstechnik," 1987, Georg Theime Verlag, Sttugart and New York, pp. 226-236 (with English translation)
	Briceño et al., "A Class of Cobalt Oxide Magnetoresistance Materials Discovered with Combinatorial Synthesis," 13 October 1995, Science, Vol. 270, pp. 273-275
	Cargill, J.F., et al., *Lab. Rob. Autom.* 1996, 8, 139-148
	Corkan, A., et al., "Application of an Automated Chemistry Workstation to Problems in Synthetic Chemistry," *Chemom. Intell. Lab. Syst.* 1992, 17, 95-105
	Corkan, A., et al., "Design Concepts for Synthetic Chemistry Workstations," *Adv. Lab. Autom. Rob.* 1990, 6, 477-497
	Corkan, et al., "Experiment Manager Software for an Automated Chemistry Workstation, including a Scheduler for Parallel Experimentation," *Chemometrics and Intelligent Laboratory Systems: Laboratory Information Management*, 17 (1992) October, No. 1, 47-74, Elsevier Science Publishers B.V., Amsterdam
L+C	Danielson et al., "A Combinatorial Approach to the Discovery and Optimization of Luminescent Materials," 30 October 1997, Nature, Vol. 389, No. 30, pp. 944-948

EXAMINER:	DATE CONSIDERED: 8/6/06

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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION		ATTORNEY'S DOCKET NO.: 2002-004		APPLICATION NO.: 10/061,960	
PTO-1449		APPLICANT: Falcioni et al.			
		FILING DATE: February 1, 2002	GROUP: 174 (63)	CONFIRMATION: 8759	

		OTHER DOCUMENTS *(including Author, Title, Date, Pertinent Pages Etc.)*			
LHC		Eclipse 4000 User Software for the MICROLAB® 4000 Series Version 1.1 User's Manual, Hamilton Company 1998			
		~~Gilson "Better Solutions From Gilson Mean...", product information, 1 pg.~~			
LHC		Dimitrie Grigoriadis et al., APHIL, "A Relational System For Managing High-Throughput Screening Data," 1997			
LHC		Hanak, "The Multiple-Sample Concept" in Materials Research: Synthesis, Compositional Analysis and Testing of Entire Multicomponent Systems," © 1970 Chapman and Hall Ltd., pp. 964-971			
		Hsieh-Wilson et al., "Lessons From the Immune System: From Catalysis to Materials Science," © 1996 American Chemical Society, Vol. 29, pp. 164-170			
		Jandeleit et al., "Combinatorial Methods in Catalysis," December 1998, Baltzer Science Publishers, Vol. 2, No. 2, pp. 101-123			
		Jandeleit et al., *Angew. Chem.* 1999, 38, 2494-2532			
		Kagaku, "Combinatorial Chemistry: Inconceivable without Computers", *Combinatorial Chemistry*, Vol. 51, No. 8, pp. 480-483 & 583 (1996). **Original Japanese reference and English translation included.**			
		Klein, "Statistiche Versuchsplanung," 1995, Nachr. Chem. Tech. Lab. Vol. 43, pp. 1078, 1080-1082 **English translation included**			
		Labute, Chemical Computing Group Inc., "MOE: The Molecular Operating Environment. CCG Product Information, product information 1998 4 pgs., www.chemcomp.com/fdept/prodinfo.htm			
		Labute, Chemical Computing Group Inc., "MOE: Deployment Strategies," product information 1998 6 pgs., www.chemcomp.com/feature/deploy.htm			
		Lindsey and Corkan, "Toward High-Performance Parallel Experimentation Machines: Use of a Scheduler a Quantitative Computer-Aided Design Tool for Evaluating Workstation Performance," Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1993, vol. 21, pp. 139-150			
		Lindsey, "Automated Workstations for Chemical Synthesis in Japan: A New Paradigm for Pharmaceutical Research," Am. Lb., March 1993, pp. 17, 18, 20			
		Lindsey, J.S., "A Retrospective on the Automation of Laboratory Synthetic Chemistry," *Chemom. Intell. Lab. Syst.* 1992, 17, 15-45			
		McFarland and Weinberg, "Approaches for Rapid Materials Discovery Using Combinatorial Methods," 1998, Mat. Tech., Vol. 13.3, pp. 107-120			
		MDL Introducing MDL Screen (1995) www.netsci.org/Science/Screening/feature03.html			
		MDL Screen™ User's Guide, "MDL's Solution for High-Throughput Screening Data Management," © Copyright 1996 by MDL Information Systems, Inc., pp. 1-2 to 14-6			
LHC		MDL Information Systems, Inc., MDL Screen 1.3 Closes Final Gap in HTS Workflow, pp. 1-8 1998			
		~~MDL, Using MDL Screening, Managing High Throughput Screen Data~~			
LHC		Microlab AT plus 2, Sunrise Plus Version 3.3 Software Instructions, Hamilton Bonaduz AG, 1996			
		MICROLAB® 4000 Robotic Workstations, Hamilton Company 1999, Users Manual Version 1.1			
		MODDE 4.0, "Graphical Software for Design of Experiments," © 1992-1997 Umetri AB, pp. 1-1 to 14-2			
		Molecular Connection, "MDL's Newsmagazine for Communicating with Customers," July 1998, Vol. 17, No. 3, pp.2-23			
		MultiPROBE® Automated Liquid Handling System, Operation Manual, Packard Instrument Company, 1996			
		MultiPROBE® II Automated Liquid Handling System, Operation Manual, Packard Instrument Company, Inc. 1998			
		MultiPROBE® II Automated Liquid Handling System, Operation Manual, Packard Instrument Company, 1999			
LHC		MultiPROBE® II Automated Liquid Handling Systems, Specifications, Packard Instrument Company, 1998			

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Lori A. Claw	8/6/06	

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PTO-1449	APPLICANT: Falcioni et al.		
	FILING DATE: February 1, 2002	GROUP: 1744 *163*	CONFIRMATION: 8759

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)

~~Packard "MultiPROBE Robotic Liquid Handling Systems" product information, 2 pgs.~~	
LAe	PAL Cycle Composer User Manual, CTC Analytics AG, September 1998
	Plouvier et al., "Experiment Planner for Strategic Experimentation with an Automated Chemistry Workstation," Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1992, vol. 17, pp. 75-94
	Robert F. Service, "High-Speed Materials Design," 25 July 1997, Science, Vol. 277, pp. 474-475
	Schultz and Xiang, "The Combinatorial Synthesis and Evaluation of Functional Materials," 1997, Physica C. 282-287, pp. 428-430
	Schultz and Xiang, "Combinatorial Approaches to Materials Science," 1998, © Current Chemistry ISSN 1359-0286, pp. 153-158
	Statistica Vol. IV: Industrial Statistics, Copyright © StatSoft, 1995, pp. 4177-4473
	Sun, Xiao-Dong et al., "Identification and Optimization of Advanced Phosphors Using Combinatorial Libraries," © 1997 American Institute of Physics, Vol. 70, No. 25 pp. 3353-3355
	Sun, Xiao-Dong, "Solution-Phase Synthesis of Luminescent Materials Libraries," 1997, Advanced Materials, Vol. 9, pp. 1046-1049
	TECAN Facts Software Manual, Tecan AG, V1.0, November 1998
LAe	TECAN Gemini Software Manual, Tecan AG, V2.0, August 1998
	~~The Technology Partnership, "Myriad Personal Synthesis; A New Approach to Synthesis," product information, 7 pgs.~~
LAe	Xiang et al., "A Combinatorial Approach to Materials Discovery," 23 June 1995, Science, Vol. 268, pp. 1738-1740
LAe	Yamagata et al., "Constructing an Assay System with HTS", IV High Throughput Screening, pp. 179-191 (1997). Original Japanese reference and English translation included.
	~~Zinsser Analytic "LISSY Pipetting with Windows," product information, 1 pg.~~

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